Contribution Report

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Specific tasks and responsibilities :

- My task is to create a dashboards for updating datasets.
- Gathered the vehicle InTime and OutTime frequency dataset, Parking lot occupancy dataset from the model.
- Preprocessed these datasets.
- Created the dashboards among the relationships between the data.
- We have created the dashboards using stream-lit.
- Parking occupancy over duration (Line Chart), number of vehicles per date and busiest day of the week (Bar Chart) and used many other charts for vehicles by type, authorized vs unauthorized and in-time and out-time of the vehicles.

Code sections written or major contribution to the project :

- By stream lit , we generated the dashboard.
- Streamlit provides a variety of widgets for user input, such as sliders, buttons, and text inputs. These can be used to filter and manipulate the data.
- Streamlit supports various chart types through built-in functions and libraries like Matplotlib, Seaborn, and Plotly.
- Power Query is used in Power BI to clean, transform, and shape data before it is loaded into the data model.

Any challenges faced and how they were overcome :

- I faced challenges in collecting real-time data(collected from our college).
- It was a big challenge to create a dynamic dashboards that changes every time.

Collaboration with team members :

- We divided the project work and started working on the part in which he/she is good at that work.
- Communicating with each other for regular updates.
- Giving some other ideas on insights generation.